



National  
Library  
of Medicine  
NLM

My NCI

[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books  
Search PubMed for HtrA3 human | Go | Clear | Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort by Send to

All: 5 Review: 0

Items 1 - 5 of 5

One page.

About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI  
(Cubby)

Related  
Resources

Order Documents

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

- 1: Nie G, Findlay JK, Salamonsen LA. Related Articles, Links  
Identification of novel endometrial targets for contraception. Contraception. 2005 Apr;71(4):272-81.  
PMID: 15792646 [PubMed - in process]
- 2: De Luca A, De Falco M, De Luca L, Penta R, Shridhar V, Baldi F, Campioni M, Paggi MG, Baldi A. Related Articles, Links  
Pattern of expression of HtrA1 during mouse development. J Histochem Cytochem. 2004 Dec;52(12):1609-17.  
PMID: 15557215 [PubMed - indexed for MEDLINE]
- 3: Tocharus J, Tsuchiya A, Kajikawa M, Ueta Y, Oka C, Kawaichi M. Related Articles, Links  
Developmentally regulated expression of mouse HtrA3 and its role as an inhibitor of TGF-beta signaling. Dev Growth Differ. 2004 Jun;46(3):257-74.  
PMID: 15206957 [PubMed - indexed for MEDLINE]
- 4: De Luca A, De Falco M, Severino A, Campioni M, Santini D, Baldi F, Paggi MG, Baldi A. Related Articles, Links  
Distribution of the serine protease HtrA1 in normal human tissues. J Histochem Cytochem. 2003 Oct;51(10):1279-84.  
PMID: 14500695 [PubMed - indexed for MEDLINE]
- 5: Nie GY, Hampton A, Li Y, Findlay JK, Salamonsen LA. Related Articles, Links  
Identification and cloning of two isoforms of human high-temperature requirement factor A3 (HtrA3), characterization of its genomic structure and comparison of its tissue distribution with HtrA1 and HtrA2. Biochem J. 2003 Apr 1;371(Pt 1):39-48.

PMID: 12513693 [PubMed - indexed for MEDLINE]

Display [Summary](#) Show [20](#) Sort by Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Jun 27 2005 04:57:20

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	HtrA3 near4 (human or sapien)	USPAT	OR	OFF	2005/07/01 18:17

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

**LOGINID : SSSPTA1623SQS**

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 28 PATDPAFULL - New display fields provide for legal  
status

NEWS 4 FEB 28 BABS - Current-awareness alerts (SDIs) available  
NEWS 5 MAR 02 GBFULL: New full-text patent database on STN  
NEWS 6 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 22 KOREAPAT now updated monthly; patent information  
enhanced

NEWS 9 MAR 22 Original IDE display format returns to  
REGISTRY/ZREGISTRY

NEWS 10 MAR 22 PATDPASPC - New patent database available  
NEWS 11 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental  
property tags

NEWS 12 APR 04 EPFULL enhanced with additional patent information  
and new

NEWS 13 APR 04 EMBASE - Database reloaded and enhanced  
NEWS 14 APR 18 New CAS Information Use Policies available online  
NEWS 15 APR 25 Patent searching, including current-awareness  
alerts (SDIs), based on application date in CA/CAPLUS and

USPATFULL/USPAT2

NEWS 16 APR 28  
for

NEWS 17 MAY 23  
NEWS 18 MAY 23  
from

NEWS 19 JUN 06

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:20:53 ON 01 JUL 2005

=> File Medline EMBASE Biosis Caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION

FILE 'MEDLINE' ENTERED AT 18:31:02 ON 01 JUL 2005

FILE 'EMBASE' ENTERED AT 18:21:02 ON 01 JUL 2005  
COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'BIOSIS' ENTERED AT 18:21:02 ON 01 JUL 2005  
Copyright (c) 2005 The Thomson Corporation

FILE 'CAPLUS' ENTERED AT 18:21:02 ON 01 JUL 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

```
=> s src
L1      57817 SRC

=> s HtrA3 (4A) (human or sapien)
    3 FILES SEARCHED...
L2      6 HTRA3 (4A) (HUMAN OR SAPIEN)

=> duplicate
ENTER REMOVE, IDENTIFY, ONLY, OR (?) :remove
ENTER L# LIST OR (END) :12
DUPLICATE PREFERENCE IS 'MEDLINE, EMBASE, BIOSIS, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N) :n
PROCESSING COMPLETED FOR L2
L3      3 DUPLICATE REMOVE L2 (3 DUPLICATES REMOVED)
```

```
=> d 13 1-3 bib ab
```

```
L3      ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN      2004:387286 CAPLUS
DN      140:400039
TI      Apoptosis inducer
IN      Horikoshi, Kenichi; Kitahara, Osamu; Watanabe, Takahiro;
Taniyama, Yoshio;
```

```
        Nishizawa, Satoru
```

```
PA      Takeda Chemical Industries, Ltd., Japan
SO      PCT Int. Appl., 124 pp.
        CODEN: PIXXD2
```

```
DT      Patent
```

```
LA      Japanese
```

```
FAN.CNT 1
```

	PATENT NO.	KIND	DATE	APPLICATION NO.
DATE	-----	---	-----	-----
-----	-----	-----	-----	-----
PI	WO 2004039407 20031030	A1	20040513	WO 2003-JP13920
CH,	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,			
CN,	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,			
GD,	GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC,			
LK,	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,			
LR,	PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,			
NZ,	TN,			
OM,	TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
TM,	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW,			
TN,	BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE,			
AM,	AZ,			
DK,	EE,	ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,		
SI,	SK,			

TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG  
JP 2004248668 A2 20040909 JP 2003-369723

20031030

PRAI JP 2002-320075 A 20021101  
JP 2003-17892 A 20030127

AB It is intended to provide an apoptosis inducer or the like containing a compound or its salt inhibiting the activity of a protein having an amino acid, which is the same or substantially the same as the amino acid sequence of HTRA3, its peptide fragment or a salt thereof or the expression of the gene thereof.

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:927825 CAPLUS

DN 142:293408

TI Human HtrA proteases

AU Dingwall, Colin; Holbrook, Joanna D.

CS Alzheimer's Disease Research Department, Neurology & GI CEDD, GlaxoSmithKline, Harlow, CM19 5AW, UK

SO Handbook of Proteolytic Enzymes (2nd Edition) (2004), Volume 2, 1476-1480.

Editor(s): Barrett, Alan J.; Rawlings, Neil D.; Woessner, J. Fred.

Publisher: Elsevier, London, UK.

CODEN: 69GAQF; ISBN: 0-12-079610-4

DT Conference; General Review

LA English

AB A review. The human HtrA serine proteases (HtrA1-HtrA4) show extensive

homol. to the Escherichia coli HtrA (high-temperature requirement) protease,

also known as DegP, which is active in the periplasm of the bacterium and

is essential for bacterial tolerance of thermal, osmotic and oxidative

stress. The bacterial protein has the interesting property of acting as a

mol. chaperone at reduced temperature but acting as a protease at elevated

temps. The history, activity, specificity, protein structure, structural

chemical, preparation, and biol. aspects of HtrA proteases are briefly discussed.

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 MEDLINE on STN  
AN 2003132094 MEDLINE

DUPPLICATE 1

DN PubMed ID: 12513693  
TI Identification and cloning of two isoforms of human high-temperature requirement factor A3 (HtrA3), characterization of its genomic structure and comparison of its tissue distribution with HtrA1 and HtrA2.  
AU Nie Gui-Ying; Hampton Anne; Li Ying; Findlay Jock K; Salamonsen Lois A  
CS Prince Henry's Institute of Medical Research, P.O. Box 5152, 246 Clayton Road, Clayton, Victoria 3168, Australia..  
guiying.nie@med.monash.edu.au  
SO Biochemical journal, (2003 Apr 1) 371 (Pt 1) 39-48.  
Journal code: 2984726R. ISSN: 0264-6021.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200305  
ED Entered STN: 20030321  
Last Updated on STN: 20030523  
Entered Medline: 20030522  
AB In the present study, we identified an additional member of the human high-temperature requirement factor A (HtrA) protein family, called pregnancy-related serine protease or HtrA3, which was most highly expressed in the heart and placenta. We cloned the full-length sequences of two forms (long and short) of **human HtrA3** mRNA, located the gene on chromosome 4p16.1, determined its genomic structure and revealed how the two mRNA variants are produced through alternative splicing. The alternative splicing was also verified by Northern blotting. Four distinct domains were found for the long form HtrA3 protein: (i) an insulin/insulin-like growth factor binding domain, (ii) a Kazal-type S protease-inhibitor domain, (iii) a trypsin protease domain and (iv) a PDZ domain. The short form is identical to the long form except it lacks the PDZ domain. Comparison of all members of human HtrA proteins, including their isoforms, suggests that both isoforms of HtrA3 represent active serine proteases, that they may have different substrate specificities and that HtrA3 may have similar functions to HtrA1. All three HtrA family members showed very different mRNA-expression patterns

in 76 human tissues, indicating a specific function for each. Interestingly, both HtrA1 and HtrA3 are highly expressed in the placenta.

Identification of the tissue-specific function of each HtrA family member  
is clearly of importance.

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
------------------	---------------

FULL ESTIMATED COST

16.08 16.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
------------------	---------------

CA SUBSCRIBER PRICE

-1.46 -1.46

FILE 'STNGUIDE' ENTERED AT 18:22:08 ON 01 JUL 2005

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE  
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 24, 2005 (20050624/UP).